C2.	General	Design
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- C2.1 Overview
- C2.2 Definitions
- C2.3 Abbreviations and notation
- C2.4 References
- C2.5 Americans with Disabilities Act
- C2.5.1 Sidewalks, trails, and shared use paths
- C2.5.2 Pedestrian overpasses
- C2.5.3 Other bridge-related facilities
- C2.6 Bridge layout
- C2.6.1 Profile grade line

MM No. 222, Definition of profile grade line at centerline of approach roadway, 1 October 2010

- **C2.6.2** Slope
- C2.6.3 Spiral curve
- C2.7 Bridge plan preparation
- C2.7.1 Title sheet
- C2.7.1.1 Engineers seals

MM No. 122, Sealing of bridge plans, 10 April 2006

MM No. 219, Guidelines for signed standard bridge plans, 1 September 2009

#### C2.7.1.2 Traffic data

MM No. 225, Traffic data information, August 2010

#### C2.7.2 First sheet

### C2.7.2.1 Bid items and quantities

MM No. 29, Calculation of excavation classification line, 24 September 2001

### C2.7.2.2 General notes

# C2.7.3 Situation plan

## C2.7.4 Staking diagram

MM No. 85, Layout for bridges on four lane highways, 30 January 2004

C2.7.5	Substructure general				
C2.7.6	Pier details				
C2.7.7	Abutment details				
C2.7.8	Superstructure general				
C2.7.8.1	CWPG				
C2.7.8.2	PPCB				
C2.7.9	Repair/overlay details				
C2.7.10	Miscellaneous details				
C2.7.10.1 Barrier rails					
C2.7.10.2 Expansion devices					
C2.7.10.3	Subdrains				
C2.7.10.4	Slope protection				
C2.7.10.5 Lighting					
C2.7.10.6	S Approach sidewalk				
C2.7.10.7 Other					
C2.7.11	Aesthetics				
C2.7.12	Soils sheets				
C2.7.13	Roadway plans				

C2.8 Culvert plan preparation

Title sheet

First sheet

Situation plan

Repair/extension project details

C2.8.1

C2.8.2

C2.8.3

C2.8.4

- C2.8.5 Reinforced concrete
- C2.8.6 Roadway plans
- C2.9 Sign structure and other plan preparation
- C2.10 Quality control/quality assurance plan
- C2.10.1 Design team
- C2.10.2 Plan preparation tools
- C2.10.3 Quality control
- C2.10.3.1 Designer
- C2.10.3.2 Design technician
- C2.10.3.3 Checker
- C2.10.4 Project documentation
- C2.10.5 Quality assurance

## **Quality Control/Quality Assurance Record**

Project Descript	ion:				
Project Number	:				
Design Number	:				
File Number:					
Design Team			Name	PE Numbe	er Signature
Transportation E	Engineer Manager	(TEM)			
Designer:					
Technician:					
Checker:					
Engineer of Rec	cord (EOR):				
Hydraulic Desig	n Engineer:				
Design Parame	ters (Complexity)				
Alignment: Stra	night Curve	d t			
Superstructure:	CCS (std)	CCS (dsn)	PPCB (s	td) P	PCB (dsn)
	RSS (std)	RSS (dsn)	CWPG_		
	RCB (std)	RCB (dsn)	_ MISC (st	:d) N	MISC (dsn)
Substructure:	Integral Abutmen	t Stub Ab	outment	_	
	Pile Bent Pier	Frame Pier _	T-Pi	er V	Vall Pier

# **C2.10.6** Post-letting environment

- **C2.11 Cost estimates**
- C2.12 Software
- C2.13 Plan turn-in
- C2.14 Plan changes
- **C2.15 Plan revisions**
- **C2.16 Shop drawings**